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## just the FACTs

This fact sheet is provided as a reference to encourage a greater understanding of the various issues related to managing water in South Florida.



For more information on this subject, scan this QR code using a barcode reader app on your smartphone.



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## A-1 Flow Equalization Basin (FEB)

*The A-1 Flow Equalization Basin is included in a suite of projects in the State of Florida's \$880 million Restoration Strategies plan to improve water quality in the Everglades. With a capacity of 60,000 acre-feet, it is the largest of three planned flow equalization basins. The A-1 FEB will attenuate peak stormwater flows, temporarily storing water so it can be delivered at a steady rate to STA-2 and STA-3/4 to improve their performance. As a shallow FEB, the A-1 will also contain emergent vegetation to help reduce phosphorus concentrations before moving water to the STAs.*

### Background & Project Overview

- Stormwater Treatment Areas are constructed wetlands that serve as the water-cleaning workhorses of Everglades restoration, using both emergent and submerged aquatic vegetation to naturally remove nutrients from the water that eventually flows to the Everglades.
- A flow equalization basin (FEB) is a constructed storage feature used to capture and store peak stormwater flows. Water managers can move water from FEBs into STAs at a steady rate to optimize STA performance and achieve water quality improvement targets.
- Located west of U.S. Highway 27 in southern Palm Beach County, the A-1 FEB comprises a system of 21 miles of earthen levees and 15 water control structures.
- The 15,000-acre shallow storage basin (average depth of 4 feet) will specifically attenuate flows to Stormwater Treatment Areas 2 and 3/4, just to the south at the Palm Beach/Broward county line.
- The A-1 FEB is capable of storing 20 billion gallons of water – enough to fill 45,000 football fields one foot deep.
- When complete, the basin will be able to accept up to 4,600 cubic feet per second (cfs) of stormwater inflows. As needed, the stored water can then be discharged at a rate of up to 4,200 cfs.
- The A-1 FEB builds upon significant work already completed at the site for a reservoir originally planned to provide deep water storage. All of the excavated material will be utilized to build new levees, and existing canals were incorporated into the FEB design.

### Project Benefits

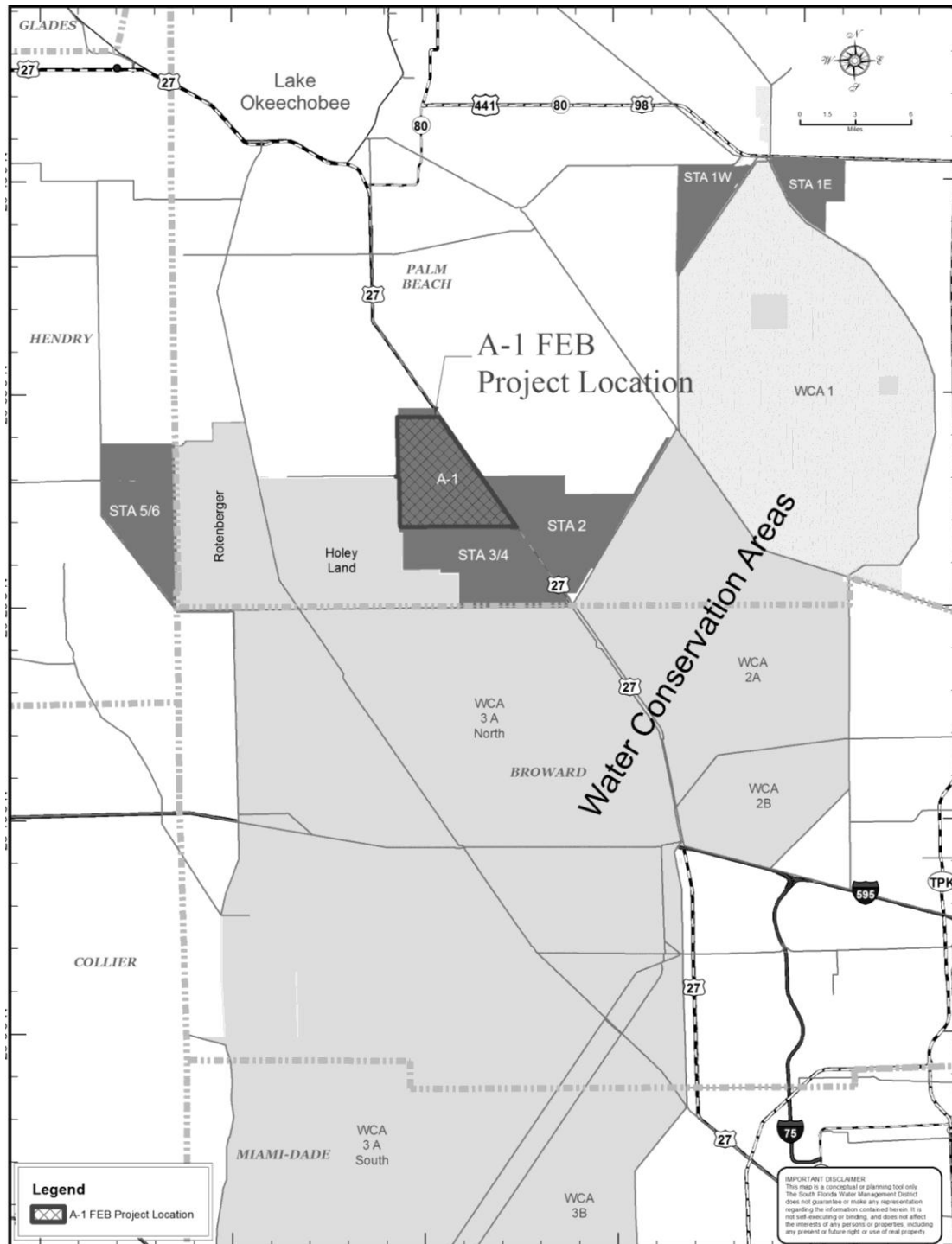
- Maximizes water quality improvement capabilities
- Creates additional water storage to capture stormwater flows that will help optimize treatment performance and achieve the phosphorus water quality standard established for the Everglades
- In addition to restoration, offers flood control flexibility

### Construction Status / Timeline

- Construction is underway on the \$59.9 million project, which includes levees, water control structures, collection and conveyance canals and pump station upgrades.
- The target project completion date is July 2016.

(more)

## A-1 Flow Equalization Basin - Project Site Location



For more information on Restoration Strategies for Clean Water for the Everglades, visit [www.sfwmd.gov/restorationstrategies](http://www.sfwmd.gov/restorationstrategies).